

CLAIMS

1. An optical recording medium comprising:

a transparent substrate;

a recording layer having the main component of organic dyes;

5 an optical reflective layer; and

a protective layer,

wherein the recording layer, the optical reflective layer, and the protective layer are formed on the substrate in this sequence, recoding at a recording linear velocity of 27.9m/s is possible,

10 wherein the optical reflective layer comprises any one of Ag and an alloy mainly made from Ag and a x-ray diffraction spectrum of the optical reflective layer satisfies the following relational expression:

$$0.2 < I(200) / I(111) < 0.4$$

15 wherein I (111) is an intensity of the x-ray diffraction peak from (111) plane and I (200) is an intensity of the x-ray diffraction peak from (200) plane determined by x-ray diffraction based on $\theta - 2\theta$ method when the incidence angle relative to the surface of the optically transparent substrate being θ .

20 2. The optical recording medium according to claim 1,

wherein the alloy mainly made from Ag contains Ag of 98% by weight or more.

3. The optical recording medium according to any one of claims 1 and 2,

wherein the optical reflective layer has a thickness of 70nm to 170nm.

5 4. The optical recording medium according to any one of claims 2 and 3,

wherein the alloy mainly made from Ag further comprises Nd and Cu.